_		RADE TO PRO 🗸	≡ ×
STP) with the Maning x^2-3 x 2 STP 2 We have at 2 the see	Get a step ahea	-Step Solutions with Pro ad with your homewo	rk
FROM T	HE MAKERS OF WOLFRAM LANGUAG		
	₩WolframA	Alpha	\neg
gamma ga	(2))	*	
₩ SΣ	★ √	∂∫ (::) •⁄γ√ αω	•••
+ Assumir	ng "gamma" is a mat	h function	
Input $\Gamma\left(\Gamma\left(\frac{1}{2}\right)\right)$			
((2))			①
Exact result $\Gamma(\sqrt{-})$			
$\Gamma(\sqrt{\pi})$ Decimal appr	oximation 6889217061073609751920161629	07450471603277022673'	*
904202088592 More digits		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	*
Alternate for	n n		
$\frac{\sqrt{\pi !}}{\sqrt{\pi}}$			*
Number line			()
0.7 0.	8 0.9 1.0	1.1 1.2	
Continued fra			*
1, 1, 2, 1, 3, 9, 1, 1, 1 2, 2, 1, 1, 2, 1, 1, 1, 1 32, 2, 8, 1, 3, 41, 7, 1	4, 5, 4, 1, 7, 25, 481, 1, 1, 4, 59, 1, , 2, 3, 3, 8, 1, 3, 15, 3, 1, 1, 1, 3, 1, 3, , 5, 11, 3, 1, 2, 5, 2, 1, 5, 5, 61, 2, 1 9, 2, 2, 3, 1, 1, 6, 1, 1, 11, 1, 2, 5, 2	3, 2, 5, 1, 45, 2, 1, , 6, 4, 3, 2, 1, 5, 1, , 1, 4, 13, 2, 3, 1, 3,	
2, 1, 1, 1, 1, 2, 1, 3, 1 1, 2, 1, 11, 1, 2, 1, 2,	, 1, 2, 1, 1, 1, 7, 2, 4, 1, 1, 3, 1, 1, 5, , 3, 49, 9, 1, 13, 2, 1, 2, 1, 3, 46, 1, 7, 4, 1, 26, 1, 2, 1, 2, 1, 1, 43, 1, 1, , 1, 2, 1, 3, 1, 2, 1, 5, 1, 1, 6, 1, 14,	1, 2, 8, 13, 2, 1, 5, 1, 1, 5, 12, 1, 41, 1,	
3, 1, 1, 1, 2, 19, 5, 2, 3, 4, 1, 3, 5, 1, 2, 1, 1	1, 4, 1, 5, 3, 3, 5, 1, 1, 8, 2, 9, 1, 8, 5, 1, 2, 32, 2, 5, 15, 1, 3, 6, 1, 1, 21, 21, 4, 1, 2, 2, 1, 1, 1, 1, 1, 9, 2, 1, 4, 45, 1, 12, 1, 1, 1, 4, 15, 114, 33	, 1, 1, 1, 6, 2, 749, , 7, 1, 4, 1, 2, 1, 1,	
2, 1, 1, 3, 2, 65, 1, 26 13, 2, 2, 2, 1, 7, 1, 3,	., 3, 1, 2, 1, 95, 2, 2, 1, 1, 1, 3, 15, 3 , 2, 1, 4, 1, 32, 2, 1, 14, 1, 5, 46, 1, 4, 2, 4, 1, 2, 3, 2, 4, 4, 432, 1, 2, 6, , 54, 4, 3, 14, 2, 5, 1, 3, 1, 3, 17, 5,	1, 1, 1, 2, 11, 1, 5, 1, 4, 1, 29, 1, 1, 1,	
1, 13, 1, 7, 1, 1, 7, 1, 5, 5, 3, 1, 1, 4, 2, 1, 2	2, 1, 4, 2, 3, 9, 5, 1, 2, 2, 2, 1, 4, 19 2, 1, 1, 1, 1, 1, 3, 3, 3, 2, 1, 1, 3, 1, 5 , 1, 3, 2, 1, 3, 1, 2, 2, 4, 3, 3, 1, 9, 2, 1, 5, 2, 74, 1, 5, 12, 1, 7, 1, 5, 2, 1,	9, 3, 1, 5, 1, 10, 4, , 7, 31, 2, 1, 1, 1, 2,	
1, 10, 3, 4, 3, 7, 2, 37 6, 1, 1, 1, 16, 1, 2, 2,	2, 3, 47, 2, 2, 1, 9, 1, 1, 3, 3, 2, 3, 3 7, 1, 1, 1, 1, 14, 4, 1, 6, 1, 8, 6, 2, 43 2, 1, 38, 1, 1, 1, 6, 97, 1, 1, 4, 2, 1, 1, 3, 1, 65, 9, 3, 1, 1, 1, 4, 1, 5, 2, 9	1, 8, 2, 6, 1, 1, 1, 19, 1, 8, 2, 1, 1, 1, 20,	
85, 1, 2, 3, 2, 1, 2, 4, 2, 5, 8, 2, 5, 5, 1, 1, 2 5, 3, 1, 1, 4, 3, 2, 1, 1	2, 2, 1, 1, 1, 63, 2, 6, 1, 4, 2, 1, 1, 2, 1, 1, 1, 2, 1, 1, 4, 1, 13, 2, 12, 1, 2, 2, 2, 10, 4, 1, 10, 10, 2, 1, 1, 2, 21, 1, 3, 1, 424, 1, 2, 1, 1, 3, 1, 4, 2, 1, 2, 5, 6	, 2, 1, 25, 1, 2, 1, 1, 1, 1, 11, 1, 1, 16, 2, 1, 1, 2, 16, 1, 3, 1,	
1, 3, 1, 1, 2, 5, 1, 3, 3 2, 3, 1, 14, 1, 1, 5, 16 1, 1, 4, 1, 6, 1, 4, 9, 1	, 3, 1, 1, 1, 21, 6, 25, 3, 1, 6, 1, 2, 3 , 2, 1, 2, 11, 5, 5, 1, 3, 1, 1, 2, 22, 2 , 4, 2, 4, 3, 3, 1, 2, 2, 2, 2, 17, 1, 2, 1, 5, 2, 6, 1, 1, 5, 1, 1, 1, 2, 6, 1,	, 5, 1, 1, 5, 2, 37, 1, 2, 3, 1, 2, 6, 2, 1, 5, 1, 1, 6, 6, 1, 7, 2, 1,	
Fewer terms		Fraction form	\$
	presentations $G(1+\Gamma(rac{1}{2}))$		
$\Gamma\left(\Gamma\left(\frac{1}{2}\right)\right) = \frac{C}{C}$. \2//		*
	$-\log G\left(\Gamma\left(\frac{1}{2}\right)\right) + \log G\left(1 + \Gamma\left(\frac{1}{2}\right)\right)$		*
$\Gamma\left(\Gamma\left(\frac{1}{2}\right)\right) = \left(\frac{1}{2}\right) = \Gamma$ $\Gamma\left(\Gamma\left(\frac{1}{2}\right)\right) = \Gamma$			*
$\frac{\Gamma\left(\Gamma\left(\frac{1}{2}\right)\right) = \Gamma}{\Gamma\left(\Gamma\left(\frac{1}{2}\right)\right) = \Gamma}$			‡
$\frac{\Gamma\left(\Gamma\left(\frac{1}{2}\right)\right) - \Gamma\left(\frac{1}{2}\right)}{\Gamma\left(\Gamma\left(\frac{1}{2}\right)\right) = e}$			*
	$+ 2 \Gamma\left(\frac{1}{2}\right)$!! $2^{1/4} (3 + \cos(2 \pi \Gamma(1/2))$))-4 $\Gamma(1/2)$) $\pi^{1/2} \sin^2(\pi \Gamma(1/2))$	*
Less			‡
			(i)
Series represe			
	$\sigma^{\gamma, oldsymbol{c}_{oldsymbol{k}}} c_2 = 1$ and $c_k = rac{\gamma c_{-1+k} + \sum_{j=1}^{-2}}{2}$	$\frac{\sum_{1}^{+k} - (-1)^{j+k} c_j \zeta(-j+k)}{-1+k}$	‡
$\Gamma\left(\Gamma\left(\frac{1}{2}\right)\right) = \sum_{k=0}^{\infty}$	$\frac{\left(\sqrt{\pi}-z_0 ight)^k\Gamma^{(k)}(z_0)}{k!}$ for	$r\left(z_0\notin\mathbb{Z} \text{ or } z_0>0 ight)$	
$\frac{1}{\Gamma\left(\Gamma\left(\frac{1}{2}\right)\right) = \frac{1}{\sum_{k=1}^{\infty}}$	$rac{\pi}{\left(\sqrt{\pi}-z_0 ight)^k\sum_{j=0}^krac{\left(-1^{j'}\pi^{-j+k} ight)}{\pi}}$	$\frac{\sin\left(\frac{1}{2}\pi\left(-j+k+2z_0\right)\right)\Gamma^{(j)}\left(1-z_0\right)}{\left(1-z_0\right)}$	~
	$\frac{\pi}{\frac{\pi}{0}(\sqrt{\pi}-z_0)^k\sum_{j=0}^k\frac{(-1)^j\pi^{-j+k}}{2}}$		*
∑ i k:	$\sum_{j=0}^{\kappa} \left(\sqrt{\pi} - z_0\right)^{\kappa} \sum_{j=0}^{\kappa} \frac{\left(\sqrt{s}\right)^{\kappa}}{s}$	j! (-j+k)!	‡
Integral repre	sentations		()
$\Gamma\left(\Gamma\left(\frac{1}{2}\right)\right) = \int_{0}^{\pi}$	$\int_{0}^{1} \log^{-1+\sqrt{\pi}} \left(\frac{1}{t}\right) dt$		\$
$\Gamma\left(\Gamma\left(\frac{1}{2}\right)\right) = \int_{-\infty}^{\infty} \frac{1}{2\pi} \left(\frac{1}{2}\right) dx$	$\int_0^\infty e^{-t} t^{-1+\sqrt{\pi}} dt$		‡
$\Gamma\!\!\left(\Gamma\!\!\left(\frac{1}{2}\right)\right) = e$	$\exp\left(\int_0^1 \frac{-1 - \sqrt{\pi} \ (-1 + x)}{(-1 + x)} \right)^{-1} \frac{1}{(-1 + x)} dx$	$\frac{(x+x)+x^{\sqrt{\pi}}}{\log(x)} dx$	‡
$\Gamma\left(\Gamma\left(\frac{1}{2}\right)\right) = e^{\frac{1}{2}}$	$\exp\left(-\gamma \sqrt{\pi} + \int_0^1 \frac{1-x^2}{\log(x^2)} dx\right)$	$\frac{\sqrt{\pi} + \log(x^{\sqrt{\pi}})}{(x) - x \log(x)} dx$	rita
	$\int_{1}^{\infty} e^{-t} t^{-1+\sqrt{\pi}} dt + \sum_{k=0}^{\infty} e^{-t} t^{-k} dt + \sum_{k=0}^{\infty} e^{-kt} t^{-k} $		
$\Gamma\left(\Gamma\left(\frac{1}{2}\right)\right) = \frac{1}{2}$		· · · · · · · · · · · · · · · · · · ·	*
	$\frac{\int_{-1+e^{2i\pi^{3/2}}}^{2} \int_{t}^{e^{-t}t^{-1+}}$	$^{\sqrt{\pi}}dt$	*
			*
	$\frac{2 i \pi}{\oint e^{-t} (-t)^{-\sqrt{\pi}} dt}$		*
Less			(i)
(\$\text{POWERED BY}	THE WOLFRAM LANGU	AGE	
Related Queri	ec.		
minimize x!^x!			=
Taylor series x	!^(1/x!) to order 2		=
plot arctan(Re pi/2 and y = -p	(Gamma(tan(x) + i tan(y)) i/2 to pi/2)) from x = -pi/2 to	=
x! dx = y dy			=
Stirling series			=
	Give us your feedba	ack »	
	a question about using ntact Pro Premium Exp		
CO	зынант Ехр		
	Pro Mobile App Products Business A		
	About Contact 🚹 🕽		
	©2025 Wolfram Terms	Privacy	